

# Human GAD65 / GAD2 / GAD-2 (GST Tag) recombinant protein



Catalog Number: 504394

## General Information

### Gene Name Synonym

Pancreatic islets and brain, 65kDa; Glutamate decarboxylase 2; Pancreatic islets and brain, 65kDa, isoform CRA\_b

### Protein Construction

A DNA sequence encoding the human GAD2 (NP\_000809.1) (Met1-Leu585) was expressed with a GST tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

> 90 % as determined by SDS-PAGE.

### Endotoxin

<1.0 EU per µg protein as determined by the LAL method.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

### Molecular Mass

The recombinant human GAD2 consists of 819 amino acids and predicts a molecular mass of 92.6 kDa.

### Formulation

Lyophilized from sterile 200 Tirs, 150 mM NaCl, pH 8.0, 10 % glycerol, 1 mM GSH.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

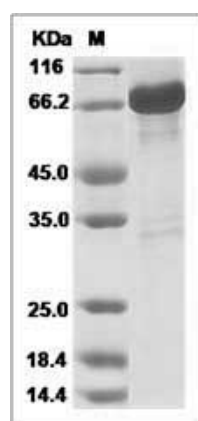
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



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